

## **ABSTRACT**

The present invention generally relates to organic photosensitive optoelectronic devices. More specifically, it is directed to organic photovoltaic devices, e.g., organic solar  
5 cells. Further, it is directed to an optimized organic solar cell comprising multiple stacked  
subcells in series. High power conversion efficiency are achieved by fabrication of a  
photovoltaic cell comprising multiple stacked subcells with thickness optimization and  
employing an electron blocking layer.